

Title (en)

WIRELESS INTERNET-ACCESSING MODULE, HOST, COMMUNICATION METHOD THEREOF, AND DATA CARD

Title (de)

MODUL FÜR DRAHTLOSEN INTERNETZUGANG, HOST, KOMMUNIKATIONSVERFAHREN DAFÜR UND DATENKARTE

Title (fr)

MODULE D'ACCÈS À INTERNET SANS FIL, HÔTE, PROCÉDÉ DE COMMUNICATION ET CARTE DE DONNÉES

Publication

EP 2563091 A4 20130710 (EN)

Application

EP 11771488 A 20110425

Priority

- CN 201010193917 A 20100603
- CN 201010193967 A 20100603
- CN 201010193948 A 20100603
- CN 201010193929 A 20100603
- CN 201010154212 A 20100423
- CN 2011000714 W 20110425

Abstract (en)

[origin: EP2563091A1] Embodiments of the present invention relate to wireless Internet access, a communication method for a host and a wireless Internet access module, and a data card, so that the host implements wireless Internet access with the wireless Internet access module of a secure digital interface. The method includes: simulating each port on a wireless Internet access processing function unit in a wireless Internet access module into a secure digital card partition and reporting the secure digital card partition to a host side; receiving downlink interaction information from the host side encapsulated in a secure digital card interface format, decapsulating the downlink interaction information encapsulated in the secure digital card interface format, and delivering the decapsulated downlink interaction information to a corresponding port; and receiving uplink interaction information reported to the host side from each port, encapsulating the received uplink interaction information in the secure digital card interface format, and sending the encapsulated uplink interaction information to the host side. The wireless Internet access module includes an adaptation unit, configured to implement communication between a host side and a wireless Internet access processing function unit. The data card has a form of a shape of a standard secure digital card or a micro secure digital card or a mini secure digital card, and includes a 9-pin secure digital card interface and the wireless Internet access module.

IPC 8 full level

G06F 3/06 (2006.01); **G06F 13/42** (2006.01); **G06K 19/07** (2006.01); **H04L 12/24** (2006.01); **H04L 12/28** (2006.01); **H04L 29/06** (2006.01); **H04W 88/02** (2009.01); **G06F 3/08** (2006.01); **G06F 13/38** (2006.01); **G06F 13/40** (2006.01); **H04B 1/38** (2006.01); **H04W 88/00** (2009.01)

CPC (source: EP US)

G06F 3/06 (2013.01 - US); **G06F 3/0632** (2013.01 - US); **G06F 3/0644** (2013.01 - US); **G06F 3/0655** (2013.01 - US); **G06F 3/0659** (2013.01 - US); **G06F 3/0662** (2013.01 - EP US); **G06F 3/0664** (2013.01 - US); **G06F 3/0665** (2013.01 - US); **G06F 3/08** (2013.01 - US); **G06F 13/00** (2013.01 - US); **G06F 13/10** (2013.01 - US); **G06F 13/102** (2013.01 - EP US); **G06K 19/0723** (2013.01 - US); **G06F 2213/3804** (2013.01 - EP US); **H04L 41/0893** (2013.01 - US); **H04L 41/0895** (2022.05 - EP); **H04L 41/40** (2022.05 - EP)

Citation (search report)

- [X] US 2007073937 A1 20070329 - FEINBERG EUGENE [US], et al
- [A] WO 2008067432 A1 20080605 - SONY ERICSSON MOBILE COMM AB [SE], et al
- [A] SD GROUP: "SD Memory Card Specifications - Part 3 Security Specifications", 19 April 2001 (2001-04-19), XP055035159, Retrieved from the Internet <URL:ftp://115.156.218.112/Electronics_Data/Memory/SD/SD Card Specification 3 - Security.pdf> [retrieved on 20120809]
- [A] "SD MEMORY CARD SPECIFICATIONS. SIMPLIFIED VERSION OF: PART 1 PHYSICAL LAYER SPECIFICATION", INTERNET CITATION, 30 April 2001 (2001-04-30), XP002291858, Retrieved from the Internet <URL:http://www.sandisk.com/pdf/oems/SD_Physical_specs_v101.pdf> [retrieved on 20040810]
- See references of WO 2011131035A1

Cited by

US9351199B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2563091 A1 20130227; **EP 2563091 A4 20130710**; **EP 2563091 B1 20160608**; EP 2566286 A2 20130306; EP 2566286 A3 20130717; EP 2566286 B1 20171227; EP 2566287 A2 20130306; EP 2566287 A3 20170329; EP 2566287 B1 20180613; EP 2566288 A2 20130306; EP 2566288 A3 20170322; EP 2566288 B1 20180704; EP 2566289 A2 20130306; EP 2566289 A3 20131016; EP 2566289 B1 20170920; US 2013047212 A1 20130221; US 2013055351 A1 20130228; US 2013055352 A1 20130228; US 2013055353 A1 20130228; US 2013061286 A1 20130307; US 8972716 B2 20150303; US 9003179 B2 20150407; US 9092157 B2 20150728; US 9110605 B2 20150818; US 9146692 B2 20150929; WO 2011131035 A1 20111027

DOCDB simple family (application)

EP 11771488 A 20110425; CN 2011000714 W 20110425; EP 12192630 A 20110425; EP 12192642 A 20110425; EP 12192648 A 20110425; EP 12192658 A 20110425; US 201213658677 A 20121023; US 201213659572 A 20121024; US 201213659603 A 20121024; US 201213659628 A 20121024; US 201213659659 A 20121024